

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor:	Kevin T. O'Dougherty	Confirmation No.:	3887
Appln. No.:	10/694,038	Examiner:	Craig James Price
Filing Date:	October 27, 2003	Group Art Unit:	3753
Title:	<b>LIQUID DISPENSING AND RECIRCULATING SYSTEM WITH SENSOR</b>		

## SUBMISSION UNDER 37 C.F.R. § 3.73(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandra, Virginia 22313-1450

Dear Sir:

ATMI, Inc., a Delaware corporation, is an owner of the patent application identified above by virtue of either:

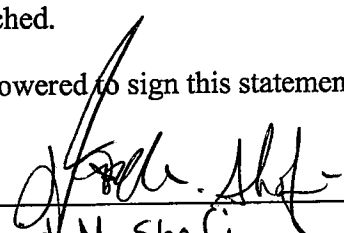
1. ☒ An assignment from the inventor(s) of the patent application identified above, a copy of which is attached.

OR

2. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
- a. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel  
, Frame , or a copy of which is attached.
- b. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel  
, Frame , or a copy of which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of ATMI, Inc.

Dated: 9/10/08

Signature:   
Name: David M. Shofi  
Title: Chief IP Counsel



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Kno

MAY 28 2004

N95-12-15

KINNEY & LANGE, P.A.

MAY 22, 2004

PTAS



\*102590926A\*

KINNEY & LANGE, P.A.  
DAVID R. FAIRBAIRN  
312 SOUTH THIRD STREET  
MINNEAPOLIS, MN 55415-1002

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/27/2003

REEL/FRAME: 014644/0268

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: N95.12-0015--MAM

ASSIGNOR:

O'DOUGHERTY, KEVIN T.

DOC DATE: 10/20/2003

ASSIGNOR:

HEGEMAN, CRAMER C.

DOC DATE: 10/20/2003

ASSIGNEE:

ADVANCED TECHNOLOGY MATERIALS, INC  
7 COMMERCE DRIVE  
DANBURY, CONNECTICUT 06810

SERIAL NUMBER: 10694038

FILING DATE: 10/27/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: LIQUID DISPENSING AND RECIRCULATING SYSTEM WITH SENSOR

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SEDLEY PYNE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-04-2003

PAT



RM

Attorney Docket No.: N95.12-0015 -- mam

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To the Commissioner for Patents: Please record the attached original document or copy thereof.

## 1. Name of conveying party(ies):

- (1) Kevin T. O'Dougherty  
(2) Cramer C. Hegeman  
(3)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger ☐ Security Agreement  
☐ Change of Name ☐ Other \_\_\_\_\_

Execution Date: October 20, 2003

## 2. Name and address of receiving party(ies):

Name: Advanced Technology Materials, Inc

Internal Address: \_\_\_\_\_

Street Address: 7 Commerce DriveCity: Danbury, State: CT ZIP 06810Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4A. Application No.(s)

10694038

If this document is being filed together with a new application, the execution date(s) of the application is: October 20, 2003Additional numbers attached? ☐ Yes ☒ No

## 4B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David R. FairbairnStreet Address: Kinney & Lange, P.A.,312 South Third StreetCity: Minneapolis State: MN ZIP 55415-1002

## 6. Total number of applications and patents involved: [1]

7. Total fee (37 C.F.R. 3.41):.....\$ 40.00

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David R. Fairbairn

10/27/03  
Date

Total number of pages including cover sheet, attachments and document: [3]

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17302 U.S. PTO  
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## ASSIGNMENT

We have made an invention described in the U.S. Patent Application entitled "**LIQUID DISPENSING AND RECIRCULATING SYSTEM WITH SENSOR**" which has been executed by us on the same date as this Assignment for filing in the United States Patent and Trademark Office.

We assign to Advanced Technology Materials, Inc., 7 Commerce Drive, Danbury, Connecticut 06810, all of our ownership and rights in:

- (i) the invention and U.S. Patent Application;
- (ii) U.S. Patents on the invention; and
- (iii) corresponding foreign patent applications and patents.

We are making this assignment based on our relationship with Advanced Technology Materials, Inc.

We request the Commissioner of Patents and Trademarks of the United States and the appropriate officers of all foreign countries to issue patents on the invention to Advanced Technology Materials, Inc.

We agree to execute any other legal documents that may be required to effectuate this Assignment.

We agree that we will promptly communicate to Advanced Technology Materials, Inc. all facts that come to our attention affecting the invention or patent rights.

We agree that we will testify in any interference or litigation involving the invention or patent rights.

We state that we have not previously taken any action in conflict with this Assignment.

Full Name of first inventor: Kevin T. O'Dougherty

Inventor's Signature

*Kevin T. O'Dougherty*

Date

10-20-2003

Residence: 1630 Glenview Ct., Arden Hills, MN 55112

Citizenship: United States of America

Post Office Address:

(if different from  
Residence Address)

Full Name of second inventor: Cramer C. Hegeman

Inventor's Signature

*Cramer C. Hegeman*

Date

10-20-2003

Residence: 1459 Knob Hill Lane, Excelsior, MN 55331

Citizenship: United States of America

Post Office Address:

(if different from  
Residence Address)